

Gov. Doc
Can
M

Canada. Mines, Bureau of

3 1761 108160052



No. 1-2

DEPARTMENT OF MINES AND RESOURCES
MINES AND GEOLOGY BRANCH
BUREAU OF MINES

MINERAL RESOURCES DIVISION,
OTTAWA, JANUARY, 1947.

MILLING PLANTS IN CANADA

PART I - II

2 pts. in 1 vol.

OPERATORS OF CONCENTRATING MILLS TREATING METALLIC ORES

INDEX TO MINERALS

(1000—164)

	PAGE		PAGE
Chromium.....	10	Mercury.....	10
Cobalt (See Silver).		Molybdenum.....	10
Copper-Gold-Silver.....	8	Nickel-Copper.....	8
Copper-Zinc-Gold-Silver.....	8	Radium (See Silver).	
Custom Concentrators.....	11	Silver.....	
Gold.....	2	Silver-Lead-Zinc.....	9
Tantalum.....	10	Tungsten.....	11

NOTE:—

(i) Intermittent operation.
(d) Proposed.

(*) Idle at present.
(e) Under construction.



MILLING PLANTS IN CANADA
METALLICS
GOLD ORES

(125)

OPERATOR	ADDRESS	LOCATION OF MILL	MANAGER	RATED DAILY CAPACITY	OPERATING AT DEC., 1946	DATE OF FIRST OPERATION	PROCESS
NOVA SCOTIA (4)							
Guyborough Mines, Ltd. (Ventures, Ltd.)	Toronto, S. 2810, 25 King St. W	Goldenville	R. Charluck, Gen. Supt.	(a) 100	Feb. (*)	1935	Amalgamation (40 stamps), table concentration, cyanidation of concentrate. (Idle since January, 1942.)
Consolidated Mining & Smelting Co. of Canada	Trail, B.C. (Montreal, 215 St. James St. W.)	Caribou Gold Mines P.O.	T. G. Howe, Manager	(b) 40	20	1932	Amalgamation (20 stamps), blankets. (To cease operations about March 1, 1947.)
Avon Gold Mines, Ltd.	Montreal	Oldham	E. Walton, Secy	(*)	115	1928	Amalgamation (20 stamps), 75-ton ball mill. (Renovated in June, 1939. (Idle since March, 1943.)
QUEBEC (28)							
Alger Gold Mines, Ltd.	Toronto, 357 Bay St	Cadillac Tp., Kewagama P.O.	M. J. O'Shaughnessy	(e) 250	1947	Amalgamation, flotation, roasting, and cyanidation. (Thompson-Cadillac mill.)	
O'Brien Gold Mines, Ltd.	Ottawa, 900 Victoria Bldg.	" "	(H. E. Sparks, Mgr. (H. F. Berry, Mill Supt.)	175	Nov. 145	1932	Jigs, amalgamation, flotation, roasting, cyanidation. (Producing gold and crude arsenic.)
Consolidated Central Cadillac Mines, Ltd.	Montreal, 132 St. James St. W.	" "	F. E. Hall, Mgr.	300	1947	Cyanidation.	
West Malartic Mines, Ltd.	" 6998 Jeanne Mance	Malartic P.O.	(G. Michaelson, Gen. Mgr. (C. D. Carey, Mill Supt.)	300	1942	Cyanidation.	
Canadian Malartic Gold Mines, Ltd.	Toronto, 25 King St. W.	Fourniere Tp.	(J. P. Millenbach, Mgr. (A. D. Gillespie, Mill Supt.)	1,000	April 860	1935	Cyanidation.
East Malartic Mines, Ltd.	Montreal, 355 St. James St. W.	" "	(D. M. McLean, Mgr. (W. Griffin, Mill Supt.)	1,600	Nov. 795	1938	Cyanidation.
Malartic Gold Fields, Ltd.	" "	" "	(J. Metz, Gen. Mgr. (T. M. Brown, Mill Supt.)	750	Dec. 575	1939	Cyanidation.
Sladen Malartic Mines, Ltd.	Ottawa, 319 Ottawa Electric Bldg., 56 Sparks St.	Dubuisson Tp., Siscoe P.O.	(R. R. Basserman, Gen. Mgr. (R. R. Boyce, Mill Supt.)	700	Jan. 550	1938	Cyanidation.
Siscoe Gold Mines, Ltd.	Montreal, 907 Dominion Square Bldg.	" "	(R. G. Walsh, Gen. Mgr. (V. F. Daughney, Mill Supt.)	1,000	325	1929	Cones, blankets, amalgamation, cyanidation.
Sullivan Consolidated Mines, Ltd.	" 1604 Aldred Bldg.	" Sullivan P.O.	(H. J. Laronde, Mgr. (R. Faucher, Mill Supt.)	500	April 350	1934	Jigs, blankets, amalgamation, cyanidation.
Lamaque Mining Co., Ltd. (Teck-Hughes Gold Mines).	Toronto, 25 King St. W.	Bourlamaque Tp., Bourlamaque	(J. C. Perry, Mgr. (W. Zieman, Mill Supt.)	1,200	April 350	1935	Cyanidation.
Sigma Mines (Quebec), Ltd. (Dome Mines, Ltd.)	" 1007 Excelsior Life Bldg., 36 Toronto St.	" "	(J. H. Stovel, Man. Dir. (J. G. McCrea, Gen. Mgr. (R. A. Walters, Mill Supt.)	1,125	March 825	1937	Cyanidation.
Golden Manitou Mines, Ltd.	" 330 Bay St.	" Val d'Or.	Andrew Robertson, Mgr.	400	Aug. 400	1942	Cyanidation (1,000-ton mill producing zinc and pyrite concentrates, latter treated in 400 mill).
Cournor Mining Co., Ltd.	Montreal S. 1216, 360 St. James St. W.	Louvicourt Tp., Perron P.O.	G. H. Rainville, Pres.	(*)	1932 200	1932	Picking belt, cyanidation. (Idle since July, 1942.)

(a) Goldenville—old mill renovated in 1935.
(b) Corinth Gold, 65 ft. roiling, by Cons. M. & S. Co., was in small test plant in 1934; present 35-ton mill started in 1938.

Waco plant in 1932) produced over 1,000,000 bushels in 1937.

(c) Noranda—3,000-ton mill producing copper concentrate, tailings treated in a 600-ton cyanidation unit to recover gold and silver contents. (d) Noranda—3,000-ton mill producing copper concentrate, tailings treated in a 600-ton cyanidation unit to recover gold and silver contents.

(a) Golenville—old mill renovated in 1935.

(b) Caribou Gold—first milling, by Cons. M. & S. Co., was in small test plant in 1933; present 35-ton mill started in 1938.

(a) Courbar (Briisset) mill erected in 1832, renovated August, 1837.
(b) Courbar (Briisset) mill erected in 1832, renovated August, 1837.

(cc) Noranda 3,000-ton mill producing copper concentrate, valings treated in a 600-ton cyanidation unit to recover gold and silver contents.

GOLD ORES—(Continued)

OPERATOR	ADDRESS	LOCATION OF MILL	MANAGER	RATED DAILY CAPACITY	OPERATING AT DEC., 1946	DATE OF FIRST OPERATION	PROCESS
ONTARIO—Continued							
Jerome Gold Mines, Ltd. (controlled by Mining Corp. of Canada).	Toronto, S. 602, 350 Bay St.	Sudbury District		Tons	Tons		
Renabie Mines, Ltd.	" 1001 Federal Bldg.	Opeepesway Lake, Biscotasing.	R. A. Bryce, Pres.	500	(*)	Sept. 1941	Cyanidation. (Idle since August 31, 1943).
Hard Rock Gold Mines, Ltd.	Toronto, 603 Royal Bank Bldg., 8 King St. E.	Missinipi Area.	(e) R. J. McLeod, Mill Supt.	300	.....	May 1947	Flotation, cyanidation of concentrate.
Bankfield Consolidated Mines, Ltd.	" 1006 Concourse Bldg., 100 Adelaide St. W.	Thunder Bay District (Little Long Lac Area)	(R. G. McKelvey, Gen. Mgr. (R. C. Gegg, Mill Supt.)	450	300	Jan. 1938	Flotation, roasting and cyanidation. (Milling resumed 1945.)
Little Long Lac Gold Mines, Ltd.	" 25 King St. W.	" (9 mi. S. W. of)	(A. E. Cave, Res. Mgr. (R. C. Gegg, Mill Supt.)	150	(*)	May 1937	Amalgamation, cyanidation. (Idle since August 31, 1942).
MacLeod-Cockshutt Gold Mines, Ltd.	" R. 510, 357 Bay St.	" (2 mi. S. of)	(J. M. Kilpatrick, Res. Mgr. (R. C. Gegg, Mill Supt.)	300	180	Nov. 1934	Jigs, blankets, amalgamation, cyanidation of total ore, flotation of cyanide tailings, roasting, and cyanidation of flotation concentrate.
Magnet Consolidated Mines (1936), Ltd.	" 515 Jarvis St.	" (3 mi. S. of)	(C. W. Knight, Pres.)	700	550	April 1938	Flotation, roasting, cyanidation of concentrate.
Sturgeon River Gold Mines, Ltd.	" 320 Bay St.	Sturgeon River (via Nezah).	A. L. Bishop, Man. Dir.	175	100	July 1939	Jigs, traps, blanket tables, amalgamation, flotation cyanidation of flotation concentrate. Operations resumed March 9, 1946.
Leitch Gold Mines, Ltd.	" R. 1207—67 Yonge St.	Beardmore.	(G. A. McKay, Mgr. (E. Jones, Mill Supt.)	(h) 75	(*)	June 1936	Amalgamation, cyanidation. (Idle since October, 1942.)
Undersill Gold Mining Co., Ltd.	" 1721—25 King St. W.	"	Chas. Caldwell, Mgr.	100	75	Jan. 1937	Jig, amalgamation, cyanidation.
Cochrane District							
Amur Gold Mines, Ltd. (controlled by Noranda Mines, Ltd.)	Toronto, 1600 Royal Bank Bldg., 8 King St. W.	(Porcupine Area)	(S. S. Saxton, Mgr. (W. A. Harris, Mill Supt.)	500	450	Jan. 1940	Flotation, cyanidation of concentrate.
Buffalo Ankerite Gold Mines, Ltd.	South Porcupine.	" S. Porcupine.	(R. P. Kinkel, Mgr. (R. A. Vary, Mill Supt.)	1,300	675	1926	Cyanidation.
Definite Mines, Ltd. (Sylvanite Gold Mines, Ltd.).	Timmins, Box 590.	" Timmins.	(J. Beattie, Mgr. (C. S. Stevens, Mill Supt.)	500	250	June 1937	Flotation, cyanidation of flotation concentrate.
Naybob (1945) Gold Mines, Ltd.	Toronto, 808 Federal Bldg.	Ogden Tp., Timmins.	(D. G. H. Wright.)	225	(*)	March 1935	Jigs, cyanidation. Mine dewatered and underground operations resumed by the new company, November, 1946.
De Santis Porcupine Mines, Ltd.	Timmins.	" "	R. M. P. Hamilton.	175	(*)	May 1939	Cyanidation. (Idle since October, 1942.)
Coniaurum Mines, Ltd.	Toronto, 2810, 25 King St. W.	Tisdale Tp., Schumacher.	(J. Redington, Res. Mgr. (W. O. Lafontaine, Mill Supt.)	600	300	July 1928	Cyanidation.
Dome Mines, Ltd.	" 36 Toronto St.	" S. Porcupine.	(R. E. Dye, Gen. Mgr. (J. J. Davis, Mill Supt.)	1,700	1,600	March 1912	Blankets, amalgamation, cyanidation.
Hollinger Consolidated Gold Mines, Ltd.	Timmins.	" Timmins.	(E. L. Longmore, Gen. Mgr. (R. W. Young, Mill Supt.)	3,900	3,300	June 1912	Table concentration, cyanidation.
McIntyre Porcupine Mines, Ltd.	Toronto, R-1500, 25 King St. W.	Schumacher.	(R. J. Ennis, Gen. Mgr. (J. M. Carter, Mill Supt.)	2,500	1,700	1912	Flotation, cyanidation of concentrate.
Paymaster Consolidated Mines, Ltd.	" 204 McKinnon Bldg.	" S. Porcupine.	(C. E. Cook, Gen. Mgr. (Roy Stoddart, Mill Supt.)	600	335	May 1926	Cyanidation, flotation of cyanide tailings and cyanidation of concentrate.
Moneta Porcupine Mines, Ltd.	" Montreal Trust Bldg., 67 Yonge St.	" Timmins.	J. D. Barrington.	200	(*)	Jan. 1938	Jigs, flotation, cyanidation of concentrate. (Idle since June, 1943.)
Preston East Dome, Ltd.	" 10 Adelaide St. E.	" S. Porcupine.	(W. A. Hutchison, Mgr. (R. D. Lord, Mill Supt.)	1,000	650	March 1939	Jigs, amalgamation, cyanidation.

Broulan Porcupine Mines, Ltd.	" 372 Bay St.	Whitney Tp., Pamour	[W. F. Brown, Mgr. (S. Crawford, Mill Supt. (A. L. Sharp, Mill Supt. (S. R. Richards, Mill Supt. (J. M. C. Dunlop, Mine Mgr. (G. H. Mustard, Asst. Mgr. (C. E. Anderson, Mgr. (T. R. Wearing, Mill Supt. (E. L. Longmore, Gen. Mgr. (J. J. Clegg, Res. Mgr. (W. A. Smith, Mill Supt.]	500	350	Nov.	1940	Cyanidation.
Hallnor Mines, Ltd. (Noranda Mines, Ltd.)	" 1600 Royal Bank Bldg., 8 King St. W.	" "	[A. L. Sharp, Mill Supt. (S. R. Richards, Mill Supt. (J. M. C. Dunlop, Mine Mgr. (G. H. Mustard, Asst. Mgr. (d)	400	250	July	1938	Jigs, flotation, cyanidation.
Hoyle Mining Company, Ltd.	" 25 King St. W. ....	" "	....	....	....	Feb.	1941	The 700-ton mill was destroyed by fire, July, 1943; (proposed rebuilding later on). Shipments to Pamour mill.
Pamour Porcupine Mines, Ltd. (Noranda Mines, Ltd.)	" 1600 Royal Bank Bldg....	" "	[C. E. Anderson, Mgr. (T. R. Wearing, Mill Supt. (E. L. Longmore, Gen. Mgr. (J. J. Clegg, Res. Mgr. (W. A. Smith, Mill Supt.]	1,600	1,000	May	1936	Flotation, cyanidation of concentrate.
Hollinger Consolidated Gold Mines, Ltd. (Ross Mine)	Timmins....	Hislop Tp., Holtyre P.O.	[E. L. Longmore, Gen. Mgr. (W. A. Smith, Mill Supt.]	300	225	Dec.	1935	Flotation, cyanidation of concentrate.
Kirkland Lake Gold Mining Co., Ltd. (Ross Mine)	Toronto, 1314 Metropolitan Bldg., 44 Kirkland Lake Victoria St.	" "	[V. H. Emery, Man. Dir. (G. C. Dunn, Gen. Supt. (John Dixon, Mill Supt.]	400	225	1919	1919	Cyanidation.
Lake Shore Mines, Ltd.	Kirkland Lake....	" "	[A. L. Blomfield, Pres. (B. S. Crocker, Mill Supt. (J. C. Adamson, Gen. Supt. (B. S. Dunn, Gen. Supt.]	2,700	800	March	1918	Cyanidation, followed by flotation, roasting. (Part of equipment used for treating old tailings, sulphide flotation plant treating 2,900 tons a day.)
Macassa Mines, Ltd.	Toronto, 1001 Federal Bldg....	" "	[R. Bryce, Pres. (G. A. Howes, Res. Mgr. (G. H. Cliff, Mill Supt.]	400	215	Oct.	1933	Cyanidation.
Sylvanite Gold Mines, Ltd.	Kirkland Lake....	" "	[K. C. Gray, Gen. Mgr. (W. S. Maguire, Supt. (C. L. Williamson, Mill Supt.]	600	425	March	1927	Cyanidation.
Teck-Hughes Gold Mines, Ltd.	" "	" "	[D. L. H. Forbes, Gen. Mgr. (G. G. Gilchrist, Mgr. (E. H. Whiteman, Mill Supt.]	600	280	March	1917	Cyanidation.
Toburn Gold Mines, Ltd.	" "	" "	[M. W. Hotchkiss, Gen. Mgr. (E. Holt, Mgr. (W. O. Connor, Mill Supt.]	175	100	1913	1913	Cyanidation.
Wright Hargreaves Mines, Ltd.	" "	" "	[M. W. Summerhayes, Man. Dir. (R. L. Healy, Gen. Mgr. (M. Black, Mill Supt.]	1,200	450	May	1921	Cyanidation, flotation of tailings.
Kirkland Golden Gate Mines, Ltd.	Toronto, R. 411, 371 Bay St....	Teck Tp., Swastika	[S. A. Pain, Mgr. (F. L. Smith, Mgr. (O. R. Kelly, Mill Supt.]	100	100	Aug.	1938	Jig, amalgamation, cyanidation. (Idle since June, 1942.) Re-opening, if any, in 1947, on 60 to 80 tons per day.
Bidgood Kirkland Gold Mines, Ltd.	" S. 504, 357 Bay St.	Lebel Tp., King Kirkland	[F. L. Smith, Mgr. (O. R. Kelly, Mill Supt.]	125	100	Sept.	1934	Cyanidation.
Upper Canada Mines, Ltd.	" 1101 Federal Bldg., 85 Richmond St. W.	Gauthier Tp., Dobie P.O.	[R. J. Henry, (Douglas Briden, Mill Supt.]	350	300	Oct.	1939	Cyanidation.
Cathroy Larder Mines, Ltd. (Yama Gold Mine)....	" 171 Yonge St.	McIlroy Tp., Boston Creek	[O. L. Knutzon]	50	50	Oct.	1941	Cyanidation. (Idle since March, 1943.)
Lebon Gold Mines, Ltd.	" 67 Yonge St. ....	" "	....	200	200	....	....	Cyanidation. (Barry Hollinger mill remodelled.)
Chesterville Mines, Ltd.	" 330 Bay St.	McGarry Tp., Kearns P.O.	[M. D. Calder, Mgr. (E. E. Brown, Mill Supt.]	750	750	June	1939	Cyanidation.
Kerr Addison Gold Mines, Ltd.	" 80 King St. W.	" Virginia town P.O.	[W. S. Bow, Mgr. (N. W. Bennett, Mill Supt.]	2,100	1,650	May	1938	Cyanidation. Plans for further expansion to 4,000 tons per day now underway. Mill will be stepped up to 2,100 tons as soon as labour available.
Omega Gold Mines, Ltd.	" 80 King St. W.	McVittie Tp., Larder Lake	[F. J. O'Connell, Mgr. (R. D. H. Wigmore, Mill Supt.]	525	275	Jan.	1936	Flotation, cyanidation of concentrate. (Ceasing operations by April 1, 1947.)
Young Davidson Mines, Ltd. (Hollinger Consolidated Gold Mines, Ltd.)	(Matachewan Area)	Powell Tp., Matachewan	[E. L. Longmore, Gen. Mgr. (H. H. North, Res. Mgr. (H. Wearing, Mill Supt.]	1,050	650	Sept.	1934	Wet table concentration, cyanidation.
Matachewan Consolidated Mines, Ltd. (Ventures, Toronto, 25 King St. W.	" "	" "	[G. H. McDougall, Mgr. (G. F. Barkhouse, Mill Supt.]	1,000	600	Nov.	1934	Flotation, cyanidation of concentrate.
Tyrantite Mines, Ltd. (Sylvanite Gold Mines, Ltd.)	Kirkland Lake....	Knight Tp., Gowganda	[W. D. Stroud, Mgr.]	230	230	June	1939	Flotation, cyanidation of concentrate. (Idle since September, 1942.)

(h) Surgeon River—40-ton mill operated June-August 1936; replaced in 1937 by 50-ton cyanide mill which has been stepped up to 75 tons a day.
 (i) Dome—new mill started operating in Nov. 1930.
 (k) McIntyre—new mill started operating in May 1931.
 (l) Paymaster—operations by present owners started Sept. 1934.
 (m) Kerr Addison—Increased capacity from 1,800 tons to 2,100 tons in 1941.

G O L D O R E S — (Concluded)

OPERATOR	ADDRESS	LOCATION OF MILL	MANAGER	RATED DAILY CAPACITY	OPERATING AT DEC., 1946	DATE OF FIRST OPERATION	PROCESS
MANITOBA (4)							
Hudson Bay Mining and Smelting Co., Limited....	Winnipeg, 500 Royal Bank Bldg....	The Pas District (Flin Flon Area)	W. A. Green, Gen. Mgr.... (D. Davis, Mill Supt.)	(n) 4,500	3,450	July 1930	Cyanidation of flotation plant tailings. (See Copper-Zinc section.)
Golden West Mines, Ltd.....	" 915 Paris Bldg.	Elbow Lake.....	A. D. Macpherson, Pres....	125 (*).....	.....	Aug. 1941	Amalgamation, traps, blankets, concentration. (Operated for a short time in autumn of 1942.)
Howe Sound Exploration Co., Ltd..... (Nor-Acme property)	New York, 730 Fifth Ave.....	Herb Lake, Snow Lake Section....	Geo. C. Lipsey.....	(e) 2,000	.....	.....	Flootation, cyanidation.
RICE LAKE DISTRICT							
San Antonio Gold Mines, Ltd.....	Winnipeg, 237 Curry Bldg....	Rice Lake, Bissett P.O.	{ C. F. Caswell, Mgr.... (G. F. Reynolds, Asst. Mgr.... Jas. Houston, Mgr.....	550	400	April 1932	Traps, Deister tables, blanket tables, amalgamation of concentrate, cyanidation of tailings.
Osrama Rockland Gold Mines, Ltd.....	Toronto, 80 King St. W.....	" Beresford Lake.....	(d) 150	.....	.....	1947	Cyanidation. (Purchased Gunnar Gold Plant.)
SASKATCHEWAN (2)							
Consolidated Mining and Smelting Co. of Canada, Ltd. ('Box' property).	Trail, B.C.....	Lake Athabasca District	Goldfields, Lake Athabasca.....	1,500 (*).....	.....	June 1939	Cyanidation. (Idle since August, 1942.)
Newcor Mining & Refining, Ltd.....	Aurora, Doane Hall.....	Douglas Lake Area.....	D. A. Knight.....	(e) 100	.....	1947	Wet concentration (gold-arsenical ores).
BRITISH COLUMBIA (27)							
Taku River Gold Mines, Ltd. (Polaris Taku Mine).	Vancouver, 302 Royal Bank Bldg....	North-Western District (No. 1) (Atlin Mgr. Div.) (Taku River, Tulsequah Clk.)	{ F. H. MacPherson, Mgr.... (G. W. Galloway, Mill Supt.)	300	300	Nov. 1937	Flootation. (Concentrate exported.)
Stewart Canal Gold Mines, Ltd.....	Stewart, B.C.....	(Portland Canal Mgr. Div.)	J. J. Hahti, Mgr.....	15 (*).....	.....	Oct. 1940	Table concentration, flotation. (Gibson mill.) (Idle since 1941.)
Silbak Premier Mines, Ltd.... (Premier Gold Mining Co., Ltd.)	Vancouver, Royal Trust Bldg....	Premier (Salmon River).....	{ D. L. Coulter, Mgr.... (S. F. MacDonald, Mill Supt.)	550	200	July 1922	Flootation, blanket and Deister tables (secondary). (Concentrate exported.)
Surf Inlet Consol. Gold Mines, Ltd.....	" Blk. of Nova Scotia Bldg.	Surf Inlet, Princess Royal Island.....	(q) 120	.....	.....	1917	Flootation. (Concentrate exported). (Idle since November, 1942. Reopened for development only, March, 1946.)
Cariboo Gold Quartz Mgr. Co., Ltd.....	Vancouver, 1007 Royal Bank Bldg.... 675 W. Hastings St., (New York, 14 Wall St.)	North-Eastern District (No. 2) (Cariboo Mgr. Div.) Wells.....	{ C. D. Stevenson, Gen. Mgr.... (J. D. Boulding, Mill Supt.)	350	220	Jan. 1933	Cyanidation.
Island Mountain Mines Company, Ltd..... (Newmont Mining Corp.)	" 744 W. Hastings St., (New York, 14 Wall St.)	" (Greenwood Mgr. Div.)	{ J. A. Pike, Mgr.... (John Stone, Mill Supt.)	150	100	Nov. 1934	Cyanidation.
SOUTHERN DISTRICT (No. 4)							
Kelowna Exploration Co., Ltd. (Nickel Plate Mine)	Hedley.....	Osoyoos Mgr. Div.)	Hedley.....	(r) 275	275	1904	Cyanidation and flotation. (Concentrate exported.)
Hedley Mascot Gold Mines, Ltd.....	Vancouver, 908 Royal Bank Bldg....	" (Greenwood Mgr. Div.)	" Greenwood.....	225	200	May 1936	Flootation, cyanidation of middlings, flotation concentrate exported.
Dentonia Mines, Ltd.....	Vancouver, 572 Howe St.....	.....	.....	50	.....	1947	Flootation.
Eastern District (No. 5)							
Kenville Gold Mines, Ltd.....	Toronto, 184 Bay St.....	(Nelson Mgr. Div.)	Nelson.....	(d) 125	.....	1947	Cyanidation.

Alpine Gold, Ltd.	Nelson, Box 83.....	" (9 mi. east of), Siktuk Creek, B. N. Sharp.....	50 (i) (*)	Dec. 1939	Flotation.
Bayonne Consolidated Mines, Ltd.	Vancouver, 510 Stock Exchange Bldg.....	Bayonne (West shore of Kootenay Lake)	50 (*)	Nov. 1936	Cyanidation. (Idle since July, 1946.)
Gold Belt Mining Co., Ltd. (controlled by North Sheep Creek P.O. American Mines, Inc. of Boston).	Sheep Creek P.O.....	F. W. Reger, Mgr.....	175 (*)	Oct. 1938	Cyanidation. (Idle since September, 1943.)
Sheep Creek Gold Mines, Ltd. (Qneen Mine).	" 616 Stock Exchange Bldg.	" " " (H. E. Doelle, Gen. Mgr. (L. J. Fogie, Mill Sup't.	150 100	May 1935	Cyanidation.
Velvet Gold-Copper Mine, Inc.	Seattle, Wash., 730 Vance Bldg.	George Coryell, Mgr.....	100 (*)	Dec. 1935	Flotation. (Idle since December, 1942.)
Midnight Gold Mines, Ltd.	Rossland, B.C. 332.....	" (2 mi. west of) B. A. Lins.....	15 (i) (*)	April 1941	Amalgamation, jig, flotation.
Western District (No. 6)					
Bralorne Mines, Ltd.	Vancouver, 555 Burrard St.	(M. M. O'Brian, Man. Dir. (D. N. Matheson, Gen. Mgr. (A. A. Alstrom, Mill Sup't.	550 315	Feb. 1932	Jigs, blanket tables, amalgamation, flotation, (concentrate exported).
Pioneer Gold Mines of B.C., Ltd.	" 711 Yorkshire Bldg.	" " " (Pioneer Mines) (Vancouver, Mgr. Div.) (Vancouver Island Area) Zeballos River, Zeballos P.O.	(t) 425	70	Jigs, amalgamation, cyanidation.
Spud Valley Gold Mines, Ltd.	" 703 Royal Trust Bldg.	(H. T. James, Man. Dir. (E. F. Ermons, Res. Mgr. (Paul Schutz, Mill Sup't.	90 (*)	Dec. 1938	Amalgamation, flotation. (Concentrate exported). (Idle since July, 1942.)
Privateer Mine, Ltd.	" 602 Stock Exchange Bldg.	W. Elliott, Mgr.....	90 (*)	Sept. 1938	Jigs, amalgamation, cyanidation. (Idle since November, 1943) Operated April and May 1945. Powerhouse destroyed by fire. Operations resumed November, 1946.
Central Zeballos Gold Mines, Ltd. (Controlled by Reno Gold Mines, Ltd.)	" 543 Granville St.	N. E. McConnell, Man. Dir.....	50 30	Dec. 1939	Jigs, amalgamation, flotation. (Concentrate exported.)
Homeward Mines, Ltd.	" 793 Royal Trust Bldg.	N. F. Brookes, Mgr.....	35 (*)	July 1941	Amalgamation, flotation. (Idle since February, 1942.)
Musketeer Mines, Ltd.	" 711 Yorkshire Bldg.	Bedwell River.....	50 (*)	July 1941	Amalgamation, flotation. (Idle since November, 1941.)
Gold River Mines, Ltd.	" 513 Royal Bank Bldg.	Toquart, Barkley Sound.....	10 (*)	June 1942	Jigs, amalgamation, flotation. (Idle since August, 1942.)
Cangold Mining & Ex. Co.	" 711 Credit Foncier Bldg.	G. A. Collins.....	50 (*)	Jan. 1942	Amalgamation, flotation.
Patmore, W. H.	Prince Rupert.....	(Alberni Mgr. Div.) Drinkwater Creek-Port Alberni.....	10 (e)	June 1947	Amalgamation, flotation.
Nitinat Mines, Ltd.	Vancouver, 800 Hall Bldg.	Deep Inlet, Kyuquot Sound.....	50 (d)	1947	Amalgamation, flotation.
Great Slave Lake District					
Negus Mines, Ltd.	Toronto, 410 Royal Bank Bldg.	China Creek, Nitinat R.	25	1947	Flotation.
Consolidated Mining and Smelting Co. of Canada, Ltd. (Con property).	Yellowknife, Great Slave Lake.....	Yellowknife, Great Slave Lake.....	80	Feb. 1939	Jig, blanket tables, amalgamation, cyanidation.
Giant Yellowknife Gold Mines, Ltd.	Toronto, R. 2810, 25 King St. W.	J. G. McNiven, Mgr. (Wm. H. A. Timm, Mill Supt. (C. E. White, Mine Supt. (R. H. Ross, Mill Supt.	350	June 1938	Cyanidation, flotation of tailings, roasting and evanidation of concentrate. Operations resumed August, 1946.
Pternigan Mines, Ltd. (Consolidated Mining and Trail, B.C.	Toronto, R. 714, 320 Bay St.	(A. K. Muir, Gen. Mgr. (A. W. T. Freakes, Supt.	500	Nov. 1947	Mill expected to commence operations in 1947.
Thompson-Lundmark Gold Mines, Ltd. (Controlled by Ventures.)	Toronto, S-1024, 85 Richmond St. W.	100 (*)	100 (*)	Nov. 1941	Amalgamation, cyanidation. (Idle since September, 1942.)
Beaulieu Yellowknife Mines, Ltd.	Toronto, S-1024, 85 Richmond St. W.	A. O. Ames, Mgr.....	55	Aug. 1941	Blanket tables, cyanidation. (Hadsel grinding mill). (Idle since September, 1943.)
		(e)	55	Aug. 1947	Aerofall Mill.

(n) Flin Flon—6,000-ton mill producing copper and zinc concentrates, and tailings are treated in a 4,000-ton cyanidation unit for further recovery of gold and silver.

(o) Surt Inlet—first operation in 1917; new 100-ton mill in 1935.

(p) Kelowna Nickel Plate—first mill erected in 1904; operation by present company started Sept., 1934.

(q) Pioneer—first mill erected in 1909; 2nd mill in 1928; 3rd mill (100-ton) in 1941; 4th mill (100-ton) in 1943, gradually increased to 425 tons.

COPPER—GOLD—SILVER ORES

(2)

OPERATOR	ADDRESS	LOCATION OF MILL	MANAGER	RATED DAILY CAPACITY	OPERATING AT DEC., 1946	DATE OF FIRST OPERATION	PROCESS
QUEBEC		Témiscamingue County	H. L. Roscoe, Gen. Mgr.; R. V. Porritt, Asst. Gen. Mgr.; C. G. McLachlan, Gen. Supt. of Mills.	(b) 3,000	3,000	Oct. 1928	Flotation. (Copper concentrate to Noranda Smelter, and iron pyrites concentrate, partly exported.)
Noranda Mines, Ltd.	Toronto, 1600 Royal Bank Bldg.	Noranda (Rouyn)					
BRITISH COLUMBIA		Southern District (No. 4) (Similkameen Mgr. Div.) Allenby (Copper Mtn.)	A. S. Baillie, Gen. Mgr.; W. J. Nelson, Asst. Gen. Mgr.; L. H. McKay, Mill Supt.	5,000	3,000	1920	Flotation. (Copper concentrate exported.)
Granby Consolidated Mining Smelting & Power Co., Ltd.	Vancouver, 675 W. Hastings St.	Allenby (Copper Mtn.)					

(b) Noranda—mill producing copper concentrate and iron pyrites concentrate; tailings treated in 600-ton cyanide mill for recovery of gold and silver in tailings.

COPPER—ZINC—GOLD—SILVER ORES

(7)

QUEBEC	LOCATION	MANAGER	RATED DAILY CAPACITY	OPERATING AT DEC., 1946	DATE OF FIRST OPERATION	PROCESS	
Golden Manitou Mines, Ltd.	Toronto, 330 Bay St.	Bourlamaque Tp., Val d'Or P.O.	Andrew Robertson, Mgr.; (D. A. Livingstone, Mill Supt.)	1,000	620	Aug. 1942	Flotation. (Lead and zinc concentrates exported. Pyrite concentrate treated in 400-ton cyanide mill for recovery of gold and silver.) (Tonnage reduced, due to labour shortage.)
Normal Mining Corp., Ltd. (controlled by Mining Corp. of Canada, Ltd.)	" Suite 602, 350 Bay St.	Desmeloizeos Tp., Dupuy P.O.	J. A. Little, Mgr.; (D. Bourke, Mill Supt.)	800	525	Sept. 1937	Flotation. (Concentrates; copper to Noranda, zinc exported.)
Waite Amulet Mines, Ltd. (controlled by Noranda Mines, Ltd.)	Noranda, Que.	Duprat Tp., Amulet P.O.	T. E. Little, Mgr.; (R. C. C. Palmer, Mill Supt.)	1,800	1,200	July 1930	Flotation. (Concentrates; copper to Noranda, zinc exported.)
MANITOBA		The Pas District					
Hudson Bay Mining and Smelting Co., Limited	Winnipeg, 500 Royal Bank Bldg.	Boulamaque Tp., Val d'Or P.O.	W. A. Green, Gen. Mgr.; (D. Davis, Mill Supt.)	(1) 6,000	5,000	July 1930	Flotation. (Tonnage treated in 4,500-ton cyanide mill for recovery of gold and silver.)
Sherritt-Gordon Mines, Ltd.	Toronto, 25 King St. W.	Flin Flon.	R. C. Brebaut, Gen. Mgr.; (R. Drake, Mill Supt.)	2,800	1,500	April 1931	Flotation. (Concentrates; copper and zinc to Flin Flon.)
BRITISH COLUMBIA		Southwestern District (No. 6) (Vancouver Mgr. Div.)					
Britannia Mining & Smelting Co., Ltd.	Britannia Beach.	Britannia Beach.	C. P. Browning, Gen. Mgr.; (A. C. Munro, Mill Supt.)	(g) 6,500	2,400	Jan. 1923	Flotation. (Copper and zinc concentrates exported, pyrites partly exported.)
The Twin "J" Mines, Ltd.	Vancouver, Stock Exchange Bldg.	Chemainus, Vancouver Island.	P. Peterson.	150	(*)	Mar. 1947	Flotation. (Will be in operation March, 1947, when power is available.)

(f) The Flin Flon plant produces copper and zinc concentrates, and the tailings are treated in a 4,500-ton cyanidation unit for the recovery of gold and silver.
(g) Britannia—mill producing copper, zinc, and iron pyrites concentrates; tailings treated on blanket tables for further recovery of gold.

NICKEL—COPPER ORES⁽¹⁾

(2)

ONTARIO	LOCATION	MANAGER	RATED DAILY CAPACITY	OPERATING AT DEC., 1946	DATE OF FIRST OPERATION	PROCESS	
International Nickel Co. of Canada, Ltd.	Toronto, 25 King St. W.	Copper Cliff.	R. L. Beattie, Gen. Mgr.; (J. C. Parlee, Mill Supt.)	30,000	25,000	Aug. 1930	Flotation.
Falconbridge Nickel Mines, Ltd.	" 21 Dundas Square.	Falconbridge.	H. J. Fraser, Mgr.; (R. C. Mott, Mill Supt.)	1,800	1,400	April 1933	Flotation.

⁽¹⁾ The nickel-copper ores of the Sudbury district contain important quantities of precious metals, namely, gold, silver, platinum, palladium and other metals of the platinum group.

SILVER ORES (1)

ONTARIO	Timiskaming District		Great Bear Lake District		Northwest Territories	
	(Cobalt Area)					
Milanco Mining & Refining Co., Ltd.....	Toronto, 45 Richmond St. W.....	Cobalt.....	A. Hasselbring.....	150	Sept.	1938
Windsor Cobalt Silvers, Ltd.....	" R.15, 9 Toronto St.....	" Cobalt.....	Geo. A. Ellis.....	25	(*).....	1942
Auric Mining & Reduction Co., Ltd.....	" Cobalt.....	"	A. B. Pilliner, Mgr.....	125	.....	1946
Kenora Prospectors and Miners, Ltd	Ottawa, 140 Wellington St.....	Warner Lake, via Kenora.....	N. B. Davis.....	25	(*).....	1943
Eldorado Mining & Refining (1944), Ltd.....	Ottawa, P.O. Box 379.....	Echo Bay, Great Bear Lake.....	{ Gilbert A. LaBine, Pres..... (E. J. Bolger, Mgr.	125	.....	1933
No. 2, Temporary Bldg.....	No. 2, Temporary Bldg.....					

The silver ores of Ontario are complex ores usually referred to as silver-cobalt-nickel-sartenic ore and are mined for their cobalt content. The silver ores of Great Bear Lake, Northwest Territories, carry radium in the form of pitchblende as well as silver.

三

(1) The Sullivan mine with concentrator at Kimberley, B.C., is the largest single producer of silver in Canada; the greater proportion of the Canadian lead and zinc production must also be credited to the Sullivan mine.

CHROMIUM ORES

OPERATOR	ADDRESS	LOCATION OF MILL	MANAGER	RATED DAILY CAPACITY	OPERATING AT DEC., 1946	DATE OF FIRST OPERATION	PROCESS
QUEBEC	Montreal, 404 Notre Dame St. (Sterrit Mine.)	Richmond County Cleveland Tp., St. Cyr.....	C. L. Jerrom, Mgr.....	Tons 150	(*).....	Jan., 1942	Wet gravity, Wilfley tables, magnetic separator. (Idle since March, 1945.)

MERCURY ORES

BRITISH COLUMBIA		Lillooet Mg. Div. (Bridge River Area)					
Consolidated Mining and Smelting Co. of Canada, Ltd. (The Pinchi property).	Trail, B.C.	Pinchi Lake.....	{E. Bronlund, Mgr. F. M. Porter, Supt.	1,000	(*).....	June, 1940	Roasting and condensing. (Idle since July, 1944.)
Bralorne Mines, Ltd. (Takla Mercury Mines, Ltd.).	Vancouver, 555 Burrard St.	Omineca Mg. Div. Takla Landing—Silver Creek.....		100	(*).....	Oct., 1943	Roasting and condensing. (Idle since October, 1944.)

10

MOLYBDENUM ORES

QUEBEC		Pontiac County					
International Molybdenum Co., Ltd. (Moss Mine).	Toronto, 1103 Central Bldg.	Quyon (4 mi. north of).....	J. F. Hansen.....	140	(*).....	Aug., 1940	Flotation. (Idle since May, 1944.)
Indian Molybdenum, Ltd. (Dome Mines, Ltd.)	Toronto, 36 Toronto St.	Abitibi County		500	(*).....	Sept., 1943	Flotation. (Idle since May, 1944.)
Molybdenite Corp. of Canada, Ltd.	Montreal, 601, 59 St. James St. W.	Preissac Tp., Preissac P.O., via Amos J. G. McCrea, Gen. Mgr.....	G. Shartner, Mgr.....	300	280	May	1943 Flotation.

TANTALUM ORES

NORTHWEST TERRITORIES		(Yellowknife Area)					
Peg. Tantalum Mines, Ltd.	Toronto, 11 King St. W.	Ross Lake.....	L. P. Ferrigan, Mgr.....	100	.....	Feb.	1947 Gravity concentration, jigs, and tables.
De Staffany Tantalum Beryllium Mines, Ltd.	Edmonton, 914 McLeod Bldg	Great Slave Lake.....	G. D. Staffany, Mgr.....	25	25	1946	Table concentration, flotation.

TUNGSTEN ORES

(4)

ONTARIO	Little Long Lac Gold Mines, Ltd.....	Toronto, 25 King St. W.....	Thunder Bay District	W. Samuel, Gen. Mgr..... (Ormineca Mgr. Div.)	25	(*).	1943	Wet gravity concentration and flotation. (Idle since November, 1943.)
	British Columbia	Trail, B.C.....			70			
BRITISH COLUMBIA	Consolidated Mining and Smelting Co. of Canada, Ltd. (Red Rose Mine).	Trail, B.C.....	Thunder Bay District	Skeena Crossing (12 miles from)..... (Nelson Mgr. Div.)	70	(*).	1942	Jiggs, wet table concentration. (Idle since November, 1943.)
	Canadian Exploration, Ltd. (Emerald Mine Project).	Vancouver, Royal Bank Bldg.....			300			
NORTHWEST TERRITORIES	Philmore Yellowknife Gold Mines, Ltd.....	Toronto, 217 Bay St.....	Great Slave Lake Dist.	W. A. Marshall, Supt..... Salmo..... Outpost Island.....	60	(*).	1941	Amalgamation, flotation. (Bought mill of International Tungsten Mines, Ltd.)
	Philmore Yellowknife Gold Mines, Ltd.....	Toronto, 217 Bay St.....			60			

CUSTOM CONCENTRATORS

(1)

ONTARIO	Silanco Mining & Refining Co., Ltd.....	Toronto, 45 Richmond St. W.....	Cobalt Area	A. Hasselbring.....	300	150	Sept.	1938	Table concentration, flotation. (Producing cobalt and silver concentrates.)



No. 1-2

DEPARTMENT OF MINES AND RESOURCES
MINES AND GEOLOGY BRANCH
BUREAU OF MINES

MINERAL RESOURCES DIVISION,

OTTAWA, JULY, 1946.

MILLING PLANTS IN CANADA

PART II

OPERATORS OF CONCENTRATING PLANTS TREATING INDUSTRIAL MINERALS

INDEX TO MINERALS

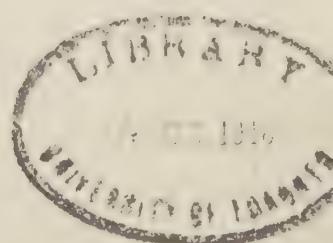
(1200—100)

	PAGE		PAGE
Asbestos.....	2	Limestone. (See separate list).	
Barite.....	2	Magnesite.....	5
Bentonite.....	2	Mica.....	5
Brucite.....	3	Miscellaneous Products.....	8
Cement.....	3	Nepheline Syenite.....	5
Corundum.....	3	Pyrites.....	6
Custom Mill (See Misc. Products)		Roofing Granules.....	6
Diatomite.....	3	Salt.....	6
Feldspar.....	4	Silica.....	7
Garnet.....	4	Slate.....	7
Graphite.....	4	Soapstone and Talc.....	7
Gypsum.....	4	Sodium Sulphate.....	8
Iron Oxide.....	5	Stucco Dash (See Misc. Products)	
Kaolin.....	5	Whiting Substitute.....	8

NOTE:—(d) Proposed;

(e) Under construction;

(*) Idle.



MILLING PLANTS IN CANADA

INDUSTRIAL MINERALS

(1200—100)

ASBESTOS

(11)

OPERATOR	ADDRESS	LOCATION OF PLANT	MANAGER	RATED DAILY CAPACITY	DATE OF FIRST OPERATION	PROCESS
QUEBEC						
Nicolet Asbestos Mines, Ltd.	Norbestos via Warwick.....	Norbestos.....	J. H. Turcotte.....	(b) 1,200	Feb. 1930	Dry concentration.
Quebec Asbestos Corporation, Ltd.	East Broughton.....	East Broughton.....	E. E. Spafford.....	1,000	1916	" "
Asbestos Corporation, Ltd.	Theftord Mines (Montreal, Canada Government Bldg.)	Theftord Mines (Beaver mine). Megantic County	S. Bateman, Supt.....	2,800	.....	" "
" "	" "	" (King mine).....	O. H. Adams, Supt.....	3,500	.....	" "
" "	" "	Black Lake (British Canadian mine).....	C. R. Donaghy, Supt.....	3,000	.....	" "
" "	" "	Vimy Ridge (Vimy mine).....	G. F. Brink.....	2,400	.....	" "
Bell Asbestos Mines, Ltd.	Theftord Mines.....	Theftord Mines (Bell mine). Johnson's Company.....	(O. C. Smith, Supt. (H. A. Smith, Supt.)	1,600	1892	" (Present mill started in 1908. First mining operation in 1889.)
" "	"	" (Johnson mine).....	(A. S. Johnson..... (L. C. Pharo, Supt..... "	2,400	1885	" (Present plant started in 1930. First mining operation in 1877.)
Flintkote Mines, Ltd.	" "	Black Lake.....	500	.....	" "
" "	" "	Thetford Mines.....	G. H. Gibbs.....	750	June 1946	" "
Canadian Johns-Manville Co., Ltd.	Asbestos.....	Asbestos (Jeffrey mine). Richmond County	G. K. Foster.....	(a) 7,000	1893	" (Present plant started in 1902.)

(a) Operating also large plant for the manufacture of fabricated products. (b) Intermittent operation; re-treating asbestos fibre.

BARITE

(1)

MANITOBA	NOVA SCOTIA	HANTS COUNTY	CARL W. McKEE.....	TONS	TONS	TONS
Canadian Industrial Minerals, Ltd.	Toronto, 67 Yonge St.	Walton.....	.....	400	20	Oct. 1942
Pembina Mountain Clays, Ltd.	Winnipeg, 915 Paris Bldg.	Morden.....	M. Chutorian, Mgr. ....	.....	.....	1941 Grinding and activating.

BENTONITE

(1)

(1)

BRUCITE

QUEBEC Aluminum Co. of Canada, Ltd.	Gatineau County Montreal, 1700 Sun Life Bldg.	P. H. Jomini. Wakefield.	Ore 500	Tons 500	1942	Crushing, calcining, hydrating, washing, screening (producing magnesia and lime.)
--	---	---------------------------------------	------------	-------------	------	---

(8)

CEMENT

QUEBEC Canada Cement Co. Ltd.	Montreal, Canada Cement Bldg.	Hochelega County Montreal East (No. 1 Plant)	T. J. Kennedy.	(Bbls.) (350 lb. each) 12,500	Jan.	1908 Wet. (Plant rebuilt in 1931.)
" "	" "	Hull County Hull (No. 3 Plant)	D. A. Gasper, Supt.	3,000		1905 Wet. (Plant rebuilt in 1929.)
ONTARIO Canada Cement Co., Ltd.	Montreal, Canada Cement Bldg.	Hastings County Belleville (No. 5 Plant)	J. H. Legate, Supt.	3,500		1907 Wet. (Plant rebuilt in 1935.)
St. Mary's Cement Co., Ltd.	Toronto, General Assurance Bldg., 357 St. Mary's Bay St.	Perth County [John G. Lind {N. Johnston, Supt.		5,100		1912 Wet.
Canada Cement Co., Ltd.	Montreal, Canada Cement Bldg.	Welland County Port Colborne (No. 8 Plant)	L. M. McDonald, Supt.	3,000		1908 Wet. (Plant rebuilt in 1932.)
MANITOBA Canada Cement Co., Ltd.	" "	Fort Whyte (No. 13 Plant) (near Winnipeg)	C. W. Edmonds, Supt.	4,000		1913 Wet. (Plant rebuilt in 1928.)
ALBERTA Canada Cement Co., Ltd.	" "	Exshaw (No. 12 Plant) (near Banff)	K. E. Alexander, Supt.	2,000		1907 Wet. (Plant has been remodelled but not rebuilt.)
BRITISH COLUMBIA British Columbia Cement Co., Ltd.	Victoria, 500 Fort St.	Bamerton (near Victoria) {N. A. Tomlin, Supt. {C. S. Williams, Supt.		3,500		1912 Wet.

(1)

CORUNDUM

ONTARIO Craigmont Corundum Project (Dept. of Reconstruction & Supply).	Renfrew County Craigmont (Raglan Tp.)	A. G. Roach.	Tons 200	Oct.	1944	Wet gravity and magnetic concentration of old tailings.
--	---	-------------------	-------------	------	------	---

(2)

DIATOMITE

NOVA SCOTIA Wightman, G. F.	Digby County Little River.	G. F. Wightman, Dir.	Tons (g)	5	1939	Calcinig.
BRITISH COLUMBIA Fairey and Company.	Cariboo District Quesnel.	L. T. Fairey.		10	1927	Grinding. (See "Miscellaneous Products".)

(g) Finished product capacity.

(3)

FEDERAL

OPERATOR	ADDRESS	LOCATION OF PLANT	MANAGER	RATED CAPACITY	DATE OF FIRST OPERATION	PROCESS
QUEBEC	Ottawa, 512 Victoria Bldg.....	Buckingham.....	Norman B. Davis.....	40	July 1930	Grinding.
	Montreal, 13719 Notre Dame St. E.....	Montreal East.....	F. Skelton.....	5	June 1932	"
ONTARIO	Kingston.....	Frontenac County	P. H. Swalm.....	30	1921	" (Idle since March 1945.)
	Kingston.....	Papineau County				
Canadian Flint and Spar, Ltd.....						
Bon Ami, Ltd						
Frontenac Floor and Wall Tile Co., Ltd						

(2)

PROVINCE	NAME	LABELLE COUNTY		NIPPLING DISTRICT		TONS	OCT.	1940	DRY GRAVITY, GRINDING AND SCREENING. (PLANT BEING REMODELED.)
		ADDRESS	MANAGER	ADDRESS	MANAGER				
QUEBEC	Canada Garnet, Ltd.	Montreal, 152 Notre Dame St. E.	Labelle (Joly Tp.)	Oscar Clot (Technical Director.)					
ONTARIO	Niagara Garnet Co., Ltd.	Sturgeon Falls.	River Valley (Dana Tp.)	W. A. Yarwood.	Wet gravity and fine grinding of concentrate into flours for lens grinding. (Mining started in June 1944)	2	May	1946	

(1)

ONTARIO	Renfrew County		Tons (1)	40	Dec.	1942	Flotation and grinding.
	Frobisher Exploration Co., Ltd., (Black Donald Granite Division).	Black Donald Mines,.....					
		B. G. Edward.....					
		Black Donald Mines,.....					

(1)

ALBERTA		Paris, Ont., Box 360.....	A. Pitt.....	200	1930	“	“
Gypsum, Lime and Alabastine, Canada, Ltd.....	Calgary.....	“	D. J. McLaughlin.....	100	1946	“	“
Western Gypsum Products, Ltd.....	Winnipeg, McArthur Bldg.....	“	N. Jessiman.....	300	1920	“	“
BRITISH COLUMBIA	Paris, Ont., Box 360.....	Port Mann (near Vancouver).....					
Gypsum, Lime and Alabastine, Canada, Ltd.....	Paris, Ont., Box 360.....						

(1) All gypsum produced in Nova Scotia, except that produced by Windsor Plaster Company, is shipped in the crude state.

IRON OXIDE

QUEBEC		Montreal, 2875 Centre St.....	Champlain County	(b)	Tons	10	1890
Sherwin Williams Co. of Canada, Ltd. (Canada Paint Co., Ltd.)		Red Mill (near Three Rivers).....	Jos. Bradley, Supt.....				

(1) Finished product.

KAOLIN

QUEBEC		Toronto, 1600 Royal Bank Bldg.....	Papineau County	(b)	Tons	200	1941
Canada China Clay and Silica, Ltd. (Noranda Mines, Ltd.)		Kasil.....	M. J. S. Bennett, Gen. Supt.....				

MAGNESITE

QUEBEC		Kilmarn.....	Argenteuil County	(I)	Tons	300	1919
Canadian Refractories, Ltd.....	Montreal, Canada Cement Bldg.....	Harrington East.....	E. G. Baker, Supt.....	(II)	Tons	25	1916
			“				

(1) Output of clinkered product is 120 tons a day.

MICA

QUEBEC		Ottawa, Blackburn Bldg.....	Gatineau County	(b),.....	Tons	1	Oct.	1929	Grinding (dry).
Blackburn Bros.....		Cantley.....	St. Maurice County	J. H. Legg.....					
			Shawinigan Falls.....						
Goldflake Mica Co. (Siscoe Mica, Ltd.).....	Montreal, 907 Dominion Square Bldg.....		Vancouver Mining Div.	L. T. Fairey.....	10	1936			Grinding. (See "Miscellaneous Products".)
BRITISH COLUMBIA	Vancouver, 661 Taylor St.....		Vancouver.....	Geo. W. Richmond.....	50	Aug.	1934	“	“
Fairey and Company.....	Vancouver, 4190 Blenheim St.....		“ 12th Ave. and Renfrew St.....						
Richmond, Geo. W.....	Vancouver, 4190 Blenheim St.....								

(1) Output is 12 tons of calcined material a day.

MICA

ONTARIO		Lakefield, Ont.....	Peterborough County	(m)	Tons	45	1935	Grinding with magnetic separation.
American Nepheline, Ltd.....			E. B. Wright (Mine Supt.).....					

(m) Output is 20-mesh glass grade.

PYRITES

(3)

OPERATOR	ADDRESS	LOCATION OF PLANT	MANAGER	RATED DAILY CAPACITY	DATE OF FIRST OPERATION	PROCESS
QUEBEC						
Noranda Mines, Ltd.	Toronto, 1600 Royal Bank Bldg.	Teniscamingue County	H. L. Roscoe (Gen. Mgr.)	Tons (n)	Dec. 1939	Flotation.
Waite-Armulet Mines, Ltd.	" " " (Duprat Tp.)	T. E. Little.			Mar. 1944	"
BRITISH COLUMBIA		Vancouver Mining Div.				
Britannia Mining & Smelting Co., Ltd.	Britannia Beach.	Britannia Beach.	C. P. Browning, Gen. Mgr. (A. C. Munro, Supt.)	(n)	Jan. 1923	"

(n) Iron pyrites produced as a by-product in the treatment of copper ores.

ROOFING GRANULES

(3)

ONTARIO	ADDRESS	LOCATION OF PLANT	MANAGER	RATED DAILY CAPACITY	DATE OF FIRST OPERATION	PROCESS
Building Products, Ltd.	Montreal, Ville La Salle, 240 St. Patrick St.	Hastings County	C. P. Cowan.	Tons 80	July 1933	Crushing, screening. (See "Miscellaneous products".)
BRITISH COLUMBIA		Vancouver Mfg. Div.				
Richmond, Geo. W.	Vancouver, 4190 Blenheim St.	Vancouver, 12th Ave. and Renfrew St.	G. W. Richmond.	50	1935	Crushing and screening.
Brown, O. M.	Victoria, 1903 Lansdowne Rd.	Victoria.	O. M. Brown.	8	1935	" "

SALT

(9)

NOVA SCOTIA	ADDRESS	LOCATION OF PLANT	MANAGER	RATED DAILY CAPACITY	DATE OF FIRST OPERATION	PROCESS
Malagash Salt Co., Ltd.	New Glasgow, Box 220.	Cumberland County	J. L. Cavanagh.	Tons	1919	Rock salt plant: crushing, sorting, screening.
Maritime Industries, Ltd. (Subsidiary of Standard Chemical Co., Ltd.)	Peterborough, 116 Hunter St.	Malagash.	W. G. Moir.	(e) 120	.....	Evaporating plant; dissolving, settling, evaporating, drying and screening.
ONTARIO						Complete salt plant: vacuum evaporators, grainers, dryers, automatic packers, etc.
Canadian Industries, Ltd.	Montreal, 1135 Beaver Hall Hill.	Essex County	H. A. Wilson, Prod. Mgr. (J. O. Wright, Wks. Mgr.)	430	Dec. 1893	Complete salt plant: vacuum evaporators, grainers, dryers, automatic packers, etc.
Goderich.	Godersich.	Huron County	R. K. Wurtele, Pres. (T. G. Glazier, Supt.)	200	1866	Complete salt plant: vacuum evaporators, grainers, dryers, automatic packers, etc.
Purity Flour Mills, Ltd.	Toronto, 287 MacPherson Ave.	Sandwich.	R. M. Menzies.	50	1908	Complete salt plant: vacuum evaporators, grainers, dryers, automatic packers, etc.
Sifto Salt Co., Ltd. (Dominion Tar & Chemical Company, Ltd.)	Montreal, 2240 Sun Life Bldg.	Goderich.	C. F. Davidson.	175	Feb. 1905	Salt plant: open pan evaporators, drying and bagging.
Warwick Pure Salt Co., Ltd.	Watford, R.R. 5.	Lambton County	M. Schikiranski.	20	July 1933	Complete salt plant: vacuum evaporators, grainers, dryers, automatic packers, etc.
MANITOBA						
Canadian Industries, Ltd. (Neepawa Salt Co.)	Montreal, Box 10, 1135 Beaver Hall Hill.	Neepawa.	H. A. Wilson, Prod. Mgr. (M. F. O'Day, Wks. Mgr.)	100	Aug. 1932	Complete salt plant: vacuum evaporators, grainers, dryers, automatic packers, etc.
Industrial Minerals, Ltd. (Dominion Tar & Chemical Company, Ltd.)	Montreal, 2240 Sun Life Bldg.	Athabasca District	J. Cochran.	65	Jan. 1938	Complete salt plant: vacuum evaporators, dryers, automatic packers, pressed blocks, etc.

SILICA

(8)

QUEBEC		Papineau County		Tons		July		1930		Crushing, grinding, and sizing.	
Canadian Flint and Spar, Ltd.....	Ottawa, 512 Victoria Bldg.....	Buckingham.....	N. B. Davis.....	40							
Canada China Clay and Silica, Ltd.....	Toronto, 1600 Royal Bank Bldg.....	Kasil.....	M. J. S. Bennett, Gen. Supt.....	200							
Ottawa Silica & Sandstone, Ltd.....	East Templeton (Ottawa, Plaza Bldg.)	East Templeton.....	P. J. Borbridge.....	(*)	300						
Canadian Carborundum, Ltd.....	Shawinigan Falls.....	Two Mountains County	H. C. Need.....								
Consumers Industrial Minerals, Ltd.....	Montreal, 8661 Drolet St.....	Montcalm County	J. R. Bonhomme (Pres.).....								
Industrial Silica Corp.....	Montreal, R. 408 266 St, James St.....	Roberval County	Ste. Juliette.....	(e)							
ONTARIO	Kingston Silica Mines, Ltd.....	Frontenac County	Lac Bouchette.....	D'Arcy D. Bogue.....	150	Mar.	1944				
MANITOBA	Lake Bar Sand and Gravel Co.....	Frontenac County	Joyceville.....	A. D. Bartlett.....	600	Aug.	1941				
	Winnipeg, 1184 Portage Ave.....	Frontenac County	Winnipeg, 1184 Portage Ave.....	W. J. Holmes.....							

SLATE

QUEBEC		Richmond County		Tons		.....		.....		Crushing and grinding.	
Bombardier, J. H.....	Valcourt.....	Kingsbury.....	J. A. Bombardier.....								
BRITISH COLUMBIA	Vancouver, 4190 Blenheim Ave.....	Vancouver, 12th Ave. & Renfrew St.....	Geo. W. Richmond.....	50	Aug.	1934					
	Victoria, 1903 Lansdowne Rd.....	Kapoor, Vancouver Island.....	O. M. Brown.....	8		1935					

SOAPSTONE AND TALC

QUEBEC		Megantic County		Tons		.....		.....		.....
Pulverized Products, Ltd.....	Rosemount, 4820, 4th Ave.....	Montreal, Rosemount.....	(S. St. George, (N. Tremblay, Supt.)	(s) (t)	100	March	1928				
Broughton Soapstone & Quarry Co, Ltd.....	Broughton Station.....	Broughton Station.....	G. Grosselin.....	(s) (t).....			1925				
Baker Mining & Milling Co.....	Highwater.....	Highwater.....	W. E. Baker.....	(t).....			1939				
ONTARIO	Maddoc.....	Hastings County	Roy Taylor, Gen. Mgr.....	(t) Mill No. 3, 120			1916				
Canada Talc, Ltd.....	Vancouver Mg. Div.	Vancouver, 12th Ave. & Renfrew St.....	Geo. W. Richmond.....	50			1934				
BRITISH COLUMBIA	Vancouver, 4190 Blenheim St.....	Vancouver, 12th Ave. & Renfrew St.....	Vancouver, (See "Miscellaneous Products").								

(s) Soapstone. (t) Talc.

SODIUM SULPHATE

OPERATOR	ADDRESS	LOCATION OF PLANT	MANAGER	RATED DAILY CAPACITY	DATE OF FIRST OPERATION	PROCESS
SASKATCHEWAN						
Natural Sodium Products, Ltd.	Bishopric, Sask.	{ Bishopric (Frederick Lake). " (Alask ").	A. Bishopric..... "	Tons 300 250	1921 1942	Harvesting, washing, dehydrating and screening, also preparing Glauber salts.
Horseshoe Lake Mining Co., Ltd. (The International Copper Cliff, Ont. Nickel Co. of Canada, Ltd.)	Copper Cliff, Ont.	Orniston (Horseshoe Lake)	(R. L. Beattie, Pres. (A. W. Watson, Supt.	150	1930	Harvesting, washing, dehydrating and screening.
Sybouts Sodium Sulphate Co.	Westwood, N.J., U.S.A., 46 Goodwin Terrace.	Gladmar (Sybouts Lake)	(W. E. Seibert, Pres. (J. Knantz, Supt.	50	1941	
Midwest Chemicals, Ltd.	Palo, Sask.	Palo (Whiteshore Lake)	J. W. Millar.....	150	Mar.	1936
Oban Salt Co., Ltd.	Oban, Sask.	Oban (Whiteshore Lake)	Geo. Andrews.....	(*) 12	Nov.	1937
Hart, Dr. D. C.	Regina.	Horizon.				

WHITING SUBSTITUTE

QUEBEC	Rosemount, 4820, 4th Ave.	Montreal (Rosemount)	Tons	March	1928	Grinding.
ONTARIO	Toronto, Jane and Foxwell Ave.	Toronto.	[S. St. George..... (N. Tremblay, Supt.	50	1938	Grinding and pulverizing. (See "Miscellaneous Products".)
Claxton Manufacturing Company.	" 20 Temperance St.	Victoria County	B. C. Elliott.....			
Chem-Ore Mines, Ltd.	Thorold.	Bobcaygeon.	D. Spears.....			
Marlhill Mines, Ltd. (Ontario Paper Co., Ltd.).	Paris, Ont., Box 390.	Marlbank.	W. H. Hubbard.....	May	1942	Grinding.
MANITOBA		Winnipeg.	[W. E. Armstrong..... (K. R. Weeks, Supt.	(V) 1	.....	Wet grinding.

(V) Part of gypsum plant (see Gypsum).

MISCELLANEOUS PRODUCTS

QUEBEC	Montreal, Rosemount, 4820, 4th Ave.	Montreal (Rosemount)	Tons	Mar.	1928	Grinding and pulverizing (talc, soapstone, whiting substitute and barite for rubber, paint, paper and asphalt fillers).
LaSalle Products, Ltd.	Montreal, 159 Jean Talon St. W.	Montreal, Côte St. Michel.....	P. H. Desrosiers.....	40	1918	Grinding for fillers.
ONTARIO	" Box 6063.	Hastings County	C. P. Cowan.....	80	July	1933
Building Products, Ltd.	Toronto, Jane & Foxwell Ave.	York County	B. C. Elliott.....	50	1938	Grinding (producing roofing granules). (Grinds black and grey rhyolite.)
Claxton Manufacturing Company.	" 565 Fleet St. W.	"	(*) 15-25	1941	1944	Grinding and pulverizing. (Mainly limestone.)
Johns, Harrison R.	Verona.	Frontenac County	C. H. Dunn, Mgr.	100	1925	Grinding (feldspar, quartz, and limestone).
Verona Rock Products.	Winnipeg, 812 Boyd Bldg.	Verona.	R. G. Foster.....	25	1936	Grinding limestone for filler, stock food and poultry grit.
Winnipeg Supply & Fuel Co., Ltd.	Vancouver.	Vancouver.	L. T. Fairey.....	10	1934	Grinding various minerals, including mica.
BRITISH COLUMBIA	" 4190 Blenheim Ave.	Vancouver, 661 Taylor St.	Geo. W. Richmond.	50	Aug.	" including mica, slate, and soapstone.
Fairey & Company.						
Richmond, Geo. W.						